DCC 2 Marks Questions.

a) Define Computer Network and state it's types.
b) State various Computer Network applications.
c) List any four Unguided Transmission Media.
d) State types of Errors.
e) Define bit rate and baud rate.
f) Define guided and unguided communication media.
g) Compare LRC and CRC (Any two points each.)
h) State different types of Network topologies.
i) List classes of IP addressing with their IP address range.
j) List different types of network connecting devices.
k) List classes of IP addresses.

CREATED BY :-

ROHIT NALAVADE **SANSKAR THORAT** **OMKAR GARJE**

DCC 4 Marks Questions.

a) Draw structural diagram of fiber optic cable and write its functions.
b) Describe various IEEE standards for network topologies.
c) Draw and explain layered architecture of OSI model.
d) With suitable diagram describe: (i) STAR topology (ii) RING topology
e) Differentiate between FDM and TDM.
f) Draw and explain fiber optic cable.
g) State the functions of any two layers of OSI model.
h) Draw and explain OSI reference model.
i) Describe multiplexing techniques.
j) Compare IPV4 and IPV6. (Any four points.)
k) Explain circuit switching network with neat sketch.
l) Draw and explain TCP/IP model.
m) Describe modes of communication.
n) Explain 802.11 Architecture.
o) Explain bluetooth Architecture.
p) Draw a neat diagram of twisted pair cable and state its types.
q) Describe various mobile generations in detail.
r) Describe the process of DHCP server configuration.
s) Define multiplexing compare FDM and TDM.
t) Describe Satellite communication with neat diagram.
u) Compare client-server and peer-to-peer networks.
v) Explain wireless LAN 802.11 architecture.

CREATED BY :-

ROHIT NALAVADE **SANSKAR THORAT** **OMKAR GARJE**

DCC 6 Marks Questions

a) Describe the process of DHCP server configuration.
b) Explain simplex, half duplex and full duplex modes in data communication.
c) Explain the process of DHCP server configuration.
d) Describe the procedure to configure the TCP/IP network layer services
e) Describe the terms with suitable example – i) Subnetting ii) Supernetting iii) Masking.
f) Describe procedure to configure TCP/IP network layer services.
g) Compare OSI and TCP/IP network model (any six point each)
h) Explain modes of communication i) Simplex ii) Half-Duplex iii) Full-Duplex
i) Draw and explain fiber-optic cable
j) Differentiate between OSI and TCP/IP network model.

CREATED BY :-

ROHIT NALAVADE **SANSKAR THORAT** **OMKAR GARJE**